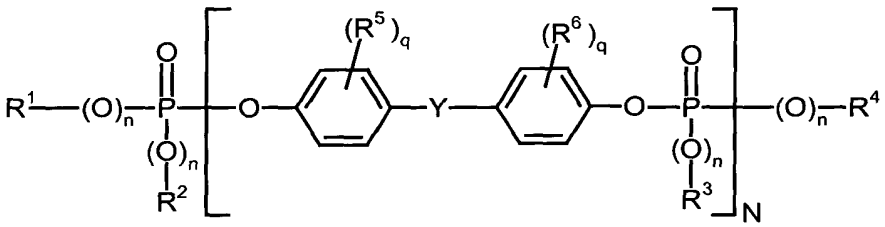
FLAME-RESISTANT POLYCARBONATE COMPOSITIONS

ABSTRACT OF THE DISCLOSURE

The invention relates to flame-resistant polycarbonate compositions comprising a phosphorus compound of the general formula (I),



(I).

With reference to general formula (I): R^1, R^2, R^3 and R^4 are each independently selected from (i) C_1 to C_8 alkyl optionally substituted by halogen, (ii) C_5 to C_6 cycloalkyl, (iii) C_6 to C_{10} aryl and (iv) C_7 to C_{12} aralkyl, each of (ii)-(iv) being optionally and independently substituted by at least one of halogen and C_1 to C_4 alkyl; n is 0 or 1; q is 0, 1, 2, 3 or 4; N is 0.1 to 5; R^5 and R^6 are each independently selected from C_1 to C_4 alkyl and halogen; and Y denotes isopropylidene. The phosphorous compound represented by general formula (I) comprises less than 1 wt. % of isopropenylphenyl phosphate, based on the weight of the phosphorous compound represented by general formula (I).